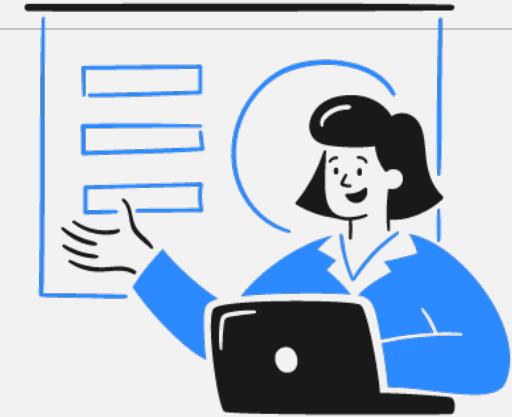


2023
SchoolPicks

Team F 백명규 서강덕 이재홍 최연서

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Objective &
Motivation

Final Design

Challenges

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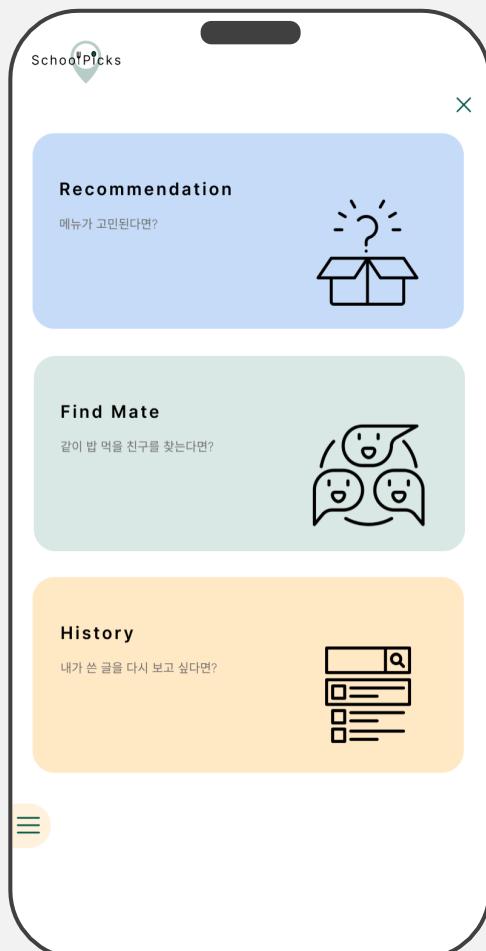
Project Progress

Demo

Limitation

Demonstration

Motivation



Problem 1.

Inconvenience of finding new restaurants

The inconvenience of searching for information about new restaurants often leads to sticking with the ones I always go to.



Problem 2.

Hard process of coordinating dining

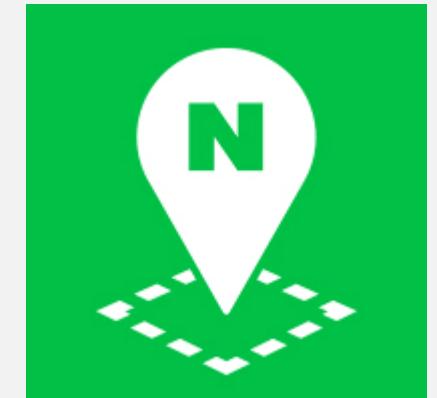
It involves the hard process of coordinating opinions on the choice of a dining location and menu during making meal plans.



Problem 3.

Too much information in platforms

Encounter conflict while navigating through numerous reviews and extensive information on those platforms.



Objective

Function 1.

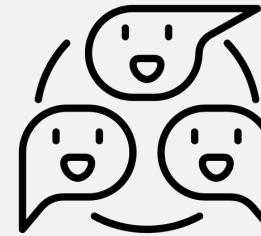
Fun and Random Recommendation



When we think about what to eat, it recommends a restaurant in various ways to convey information about meals

Function 2.

Simply Find Mate



If you are looking for friends to eat with, you can simply find friends using the simply designed personal page

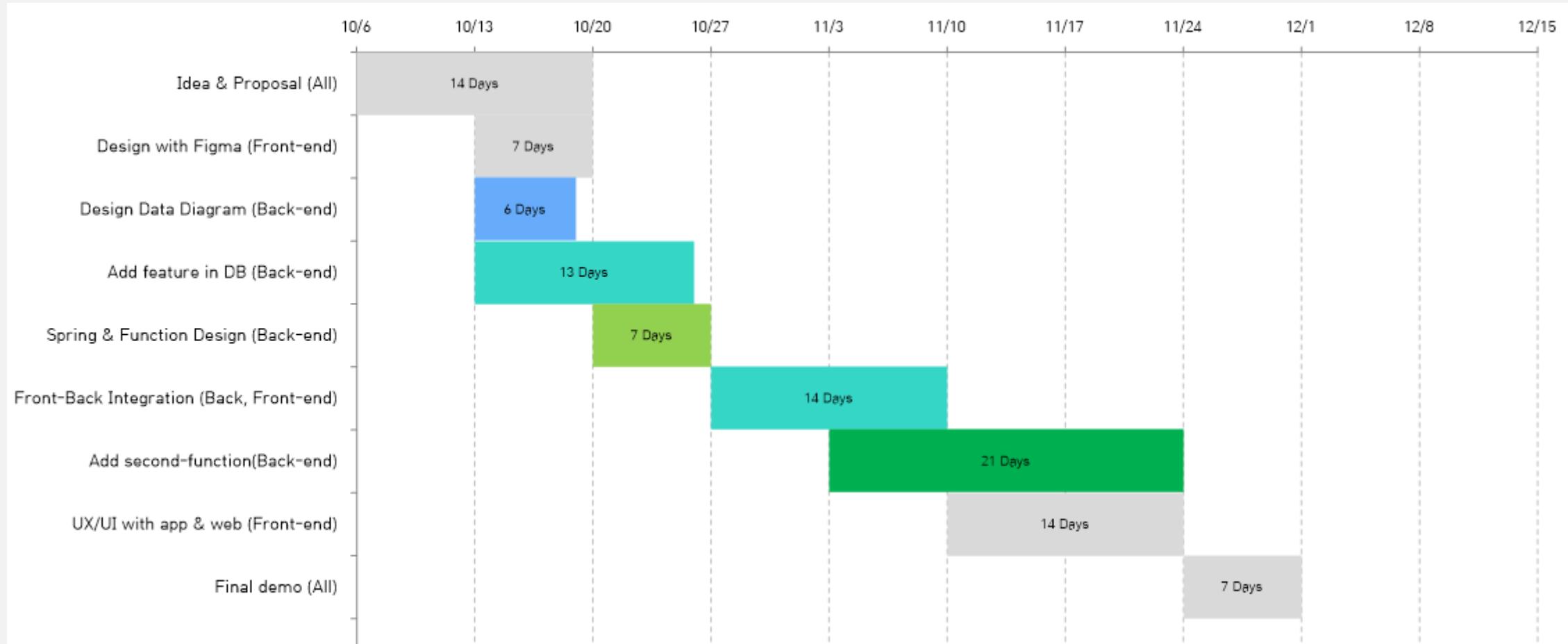
Function 3.

Helpful History



You can search past posts and reviewing them again will help to find meal mate successfully

Real Schedule with milestones



Role of Member

2 Front-end Developer & 2 Back-end Developer

Front-end

최연서



UX/UI Design

Implement 3th func.

KakaoTalk share API(func.)

Default setting

Front-end

서강덕



UX/UI Design

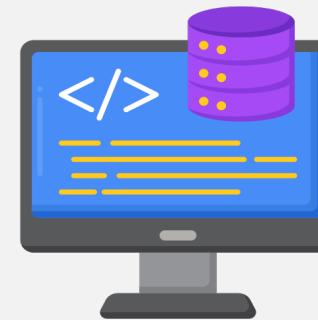
Implement 2th func.

Clipboard & Button func.
4

Alert & disabled func.

Back-end

백명규



Connect MySQL and Spring

Implement Recommendation

Testcase & Bug fix

Expired Time & Show/Blind Func.

Back-end

이재홍



Connect Spring and Front

Implement 2th func.

Insta share API(func.)

Impement detail page

Menu 1.

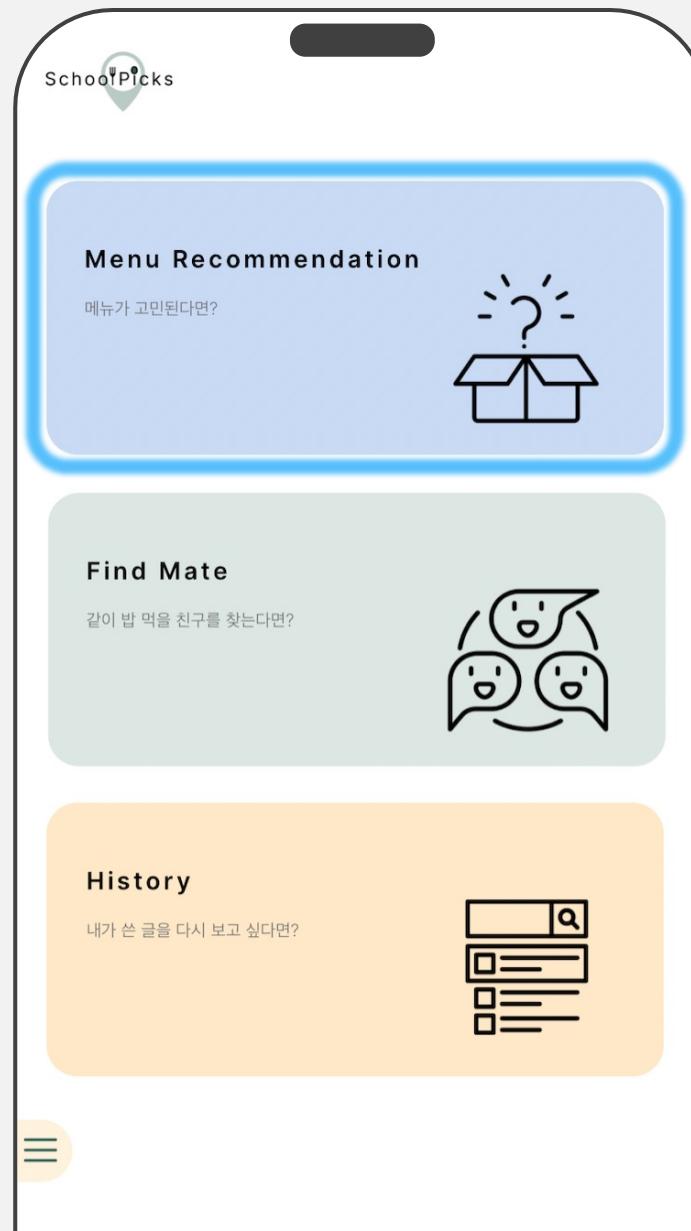
Fun and Random
Recommendation

Menu 2.

Simply
Find Mate

Menu 3.

Helpful
History



Menu Bar

3 menus:
Recommendation, Find Mate,
History.

Menu 1.

Fun and Random Recommendation

Menu 2.

Simply Find Mate

Menu 3.

Helpful History



Menu 1.

Fun and Random Recommendation

Menu 2.

Simply Find Mate

Menu 3.

Helpful History



Menu 1.**Fun and Random Recommendation****Menu 2.
Simply
Find Mate****Menu 3.
Helpful
History**

2

Choose the Category

You can choose from 3 categories: restaurant(음식점), cafe(카페), and bar(술집).

If you choose nothing, it is recommended regardless of the category.

3

Adjust the Price Range

You can get recommendations within the budget using the two-way slider.

Menu 1.

Fun and Random Recommendation

Menu 2.
Simply
Find Mate

Menu 3.
Helpful
History



4

Randomly Recommend

The recommended restaurant changes every time you click on the vending machine.

This is a random restaurant correspond to categories and price filters.

Menu 1.

Fun and Random Recommendation

Menu 2.

Simply Find Mate

Menu 3.

Helpful History



4

Randomly Recommend

The recommended restaurant changes every time you click on the vending machine.

This is a random restaurant correspond to categories and price filters.

Menu 1.**Fun and Random Recommendation****Menu 2.
Simply
Find Mate****Menu 3.
Helpful
History**

5

Detailed Information

You can get detailed information about the recommended restaurant.

6

Naver Map

You can move to Naver map for recommended restaurant.

Information on the exact location and many reviews can be obtained.

Menu 1.

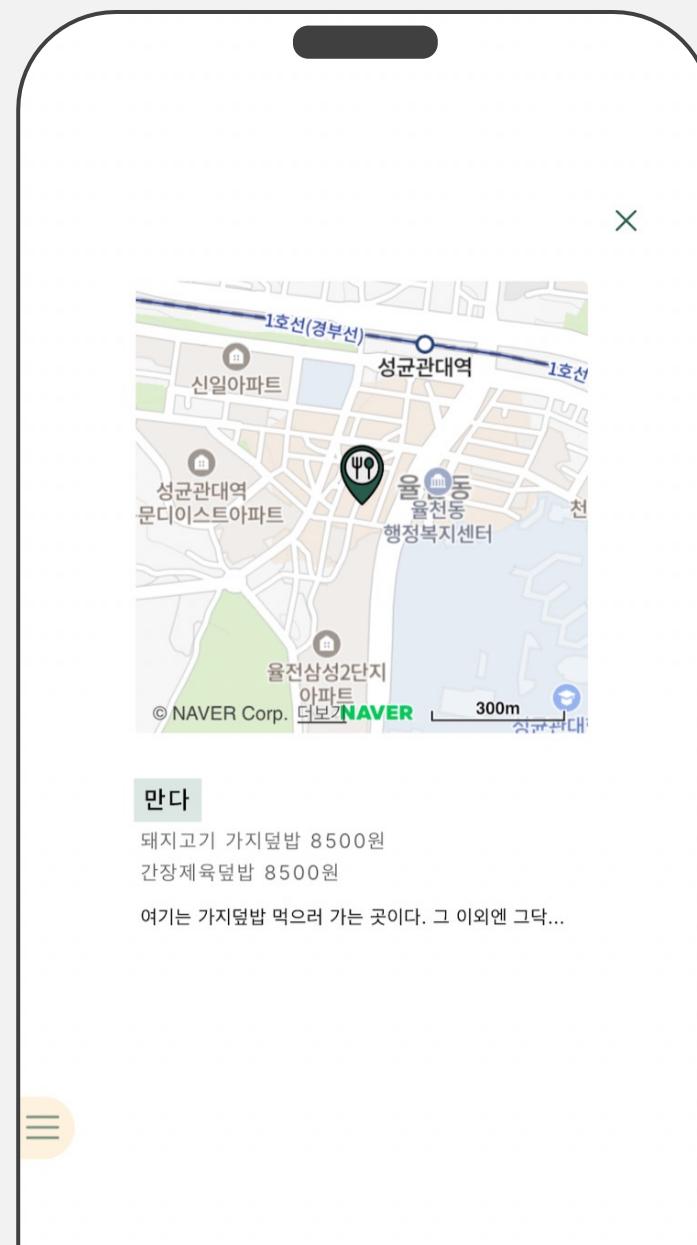
Fun and Random Recommendation

Menu 2.

Simply Find Mate

Menu 3.

Helpful History



5

Detailed Information

You can get a map showing the location of it, two representative dishes, and a brief description of the restaurant.

Menu 1.**Fun and Random Recommendation****Menu 2.
Simply
Find Mate****Menu 3.
Helpful
History**

7

Menu Button

If you click the menu button, the menu bar will appear.

Menu 1.

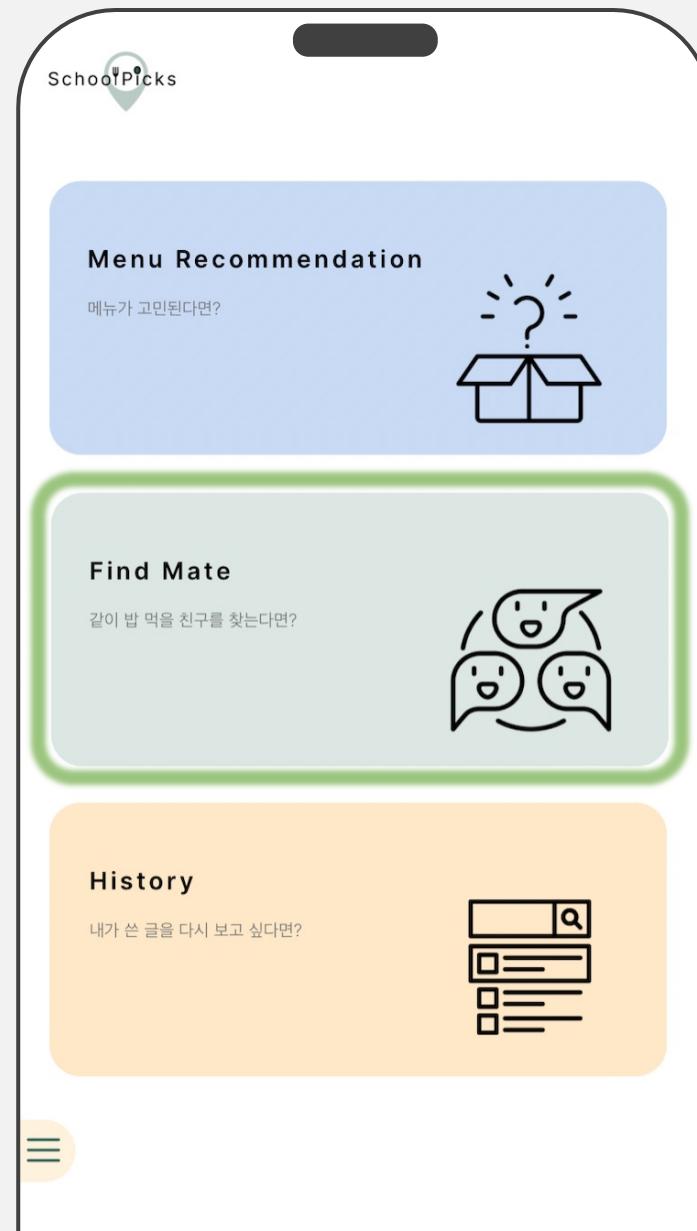
Fun and Random Recommendation

Menu 2.

Simply Find Mate

Menu 3.

Helpful History



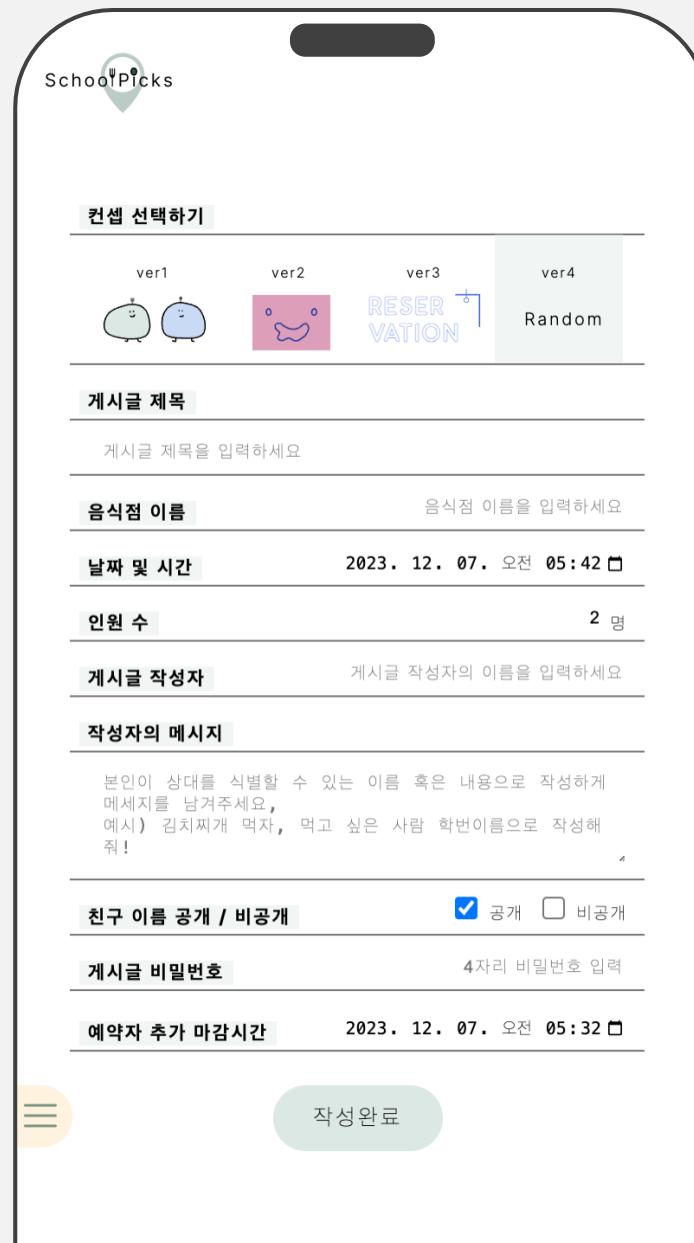
Menu Bar

3 menus:
Recommendation, Find Mate,
History.

Menu 1.
**Fun and Random
Recommendation**

Menu 2.
**Simply
Find Mate**

Menu 3.
**Helpful
History**



For Room Manager

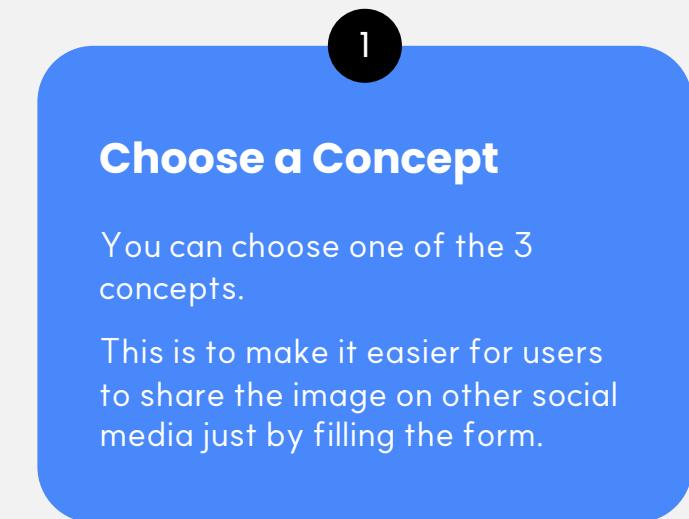
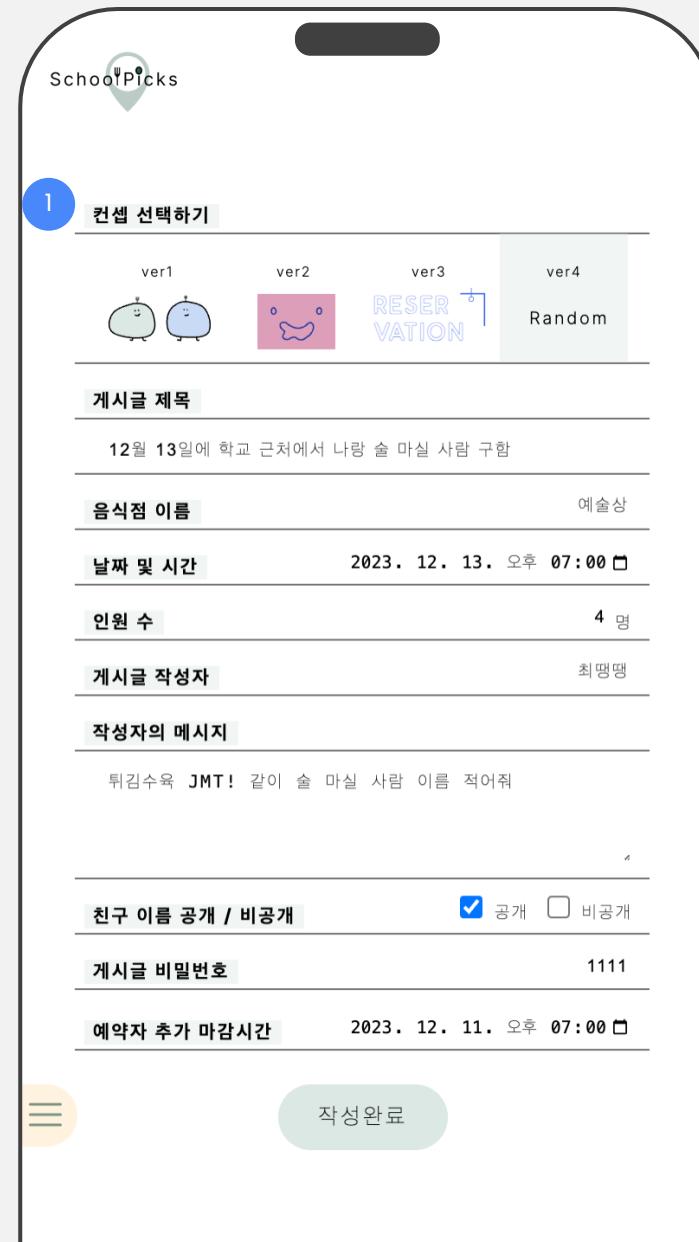
When you click on the Find Mate menu, you can immediately see this form.

For convenience of users, the concept, appointment time, number of people, friends' name disclosure or private, and deadline for adding name are filled with default values.

Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

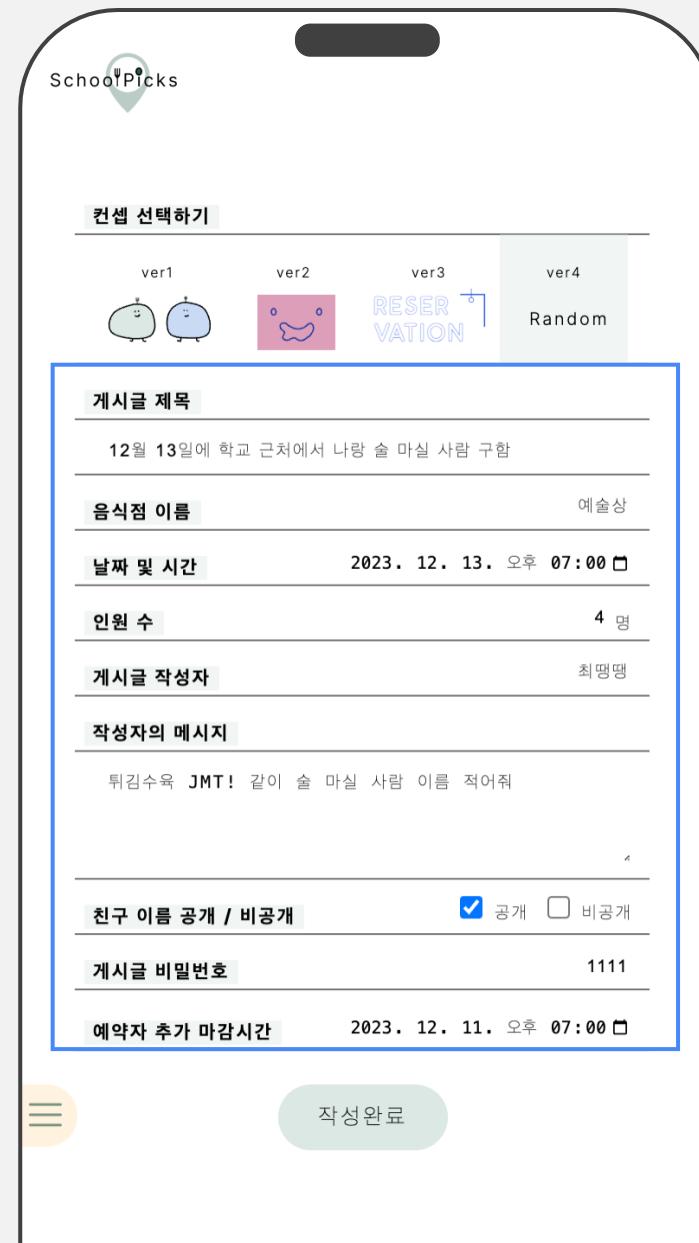
Menu 3.
Helpful
History



Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

Menu 3.
Helpful
History



Required Information

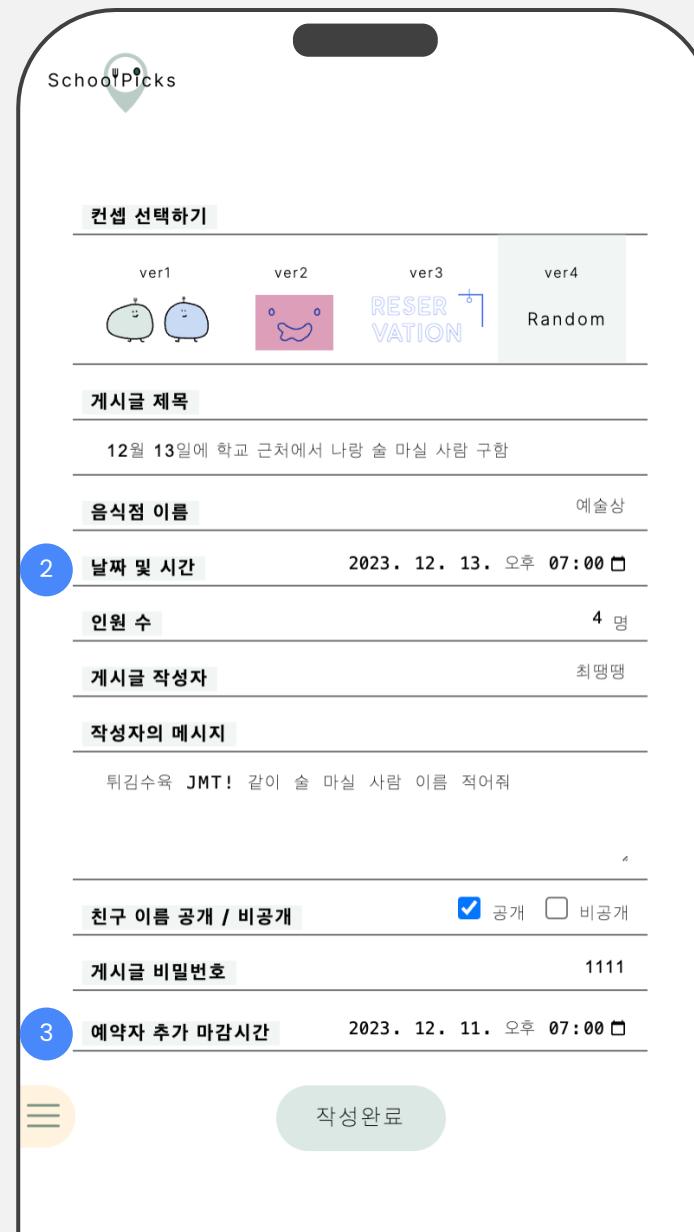
You should write down the title of the post, the name of the restaurant, the writer's name, a brief message as a room manager, and password.

You can change items already filled with default values.

Menu 1.
Fun and Random
Recommendation

Menu 2.
Simply
Find Mate

Menu 3.
Helpful
History



2

Appointment Time

In the date and time section, set the appointment time.

It must be set to 30 minutes after the current time.

3

Deadline for Adding Name

In the deadline for adding name, set how long friends can add their names.

This time should be set before the appointment time.

Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

Menu 3.
Helpful
History



4

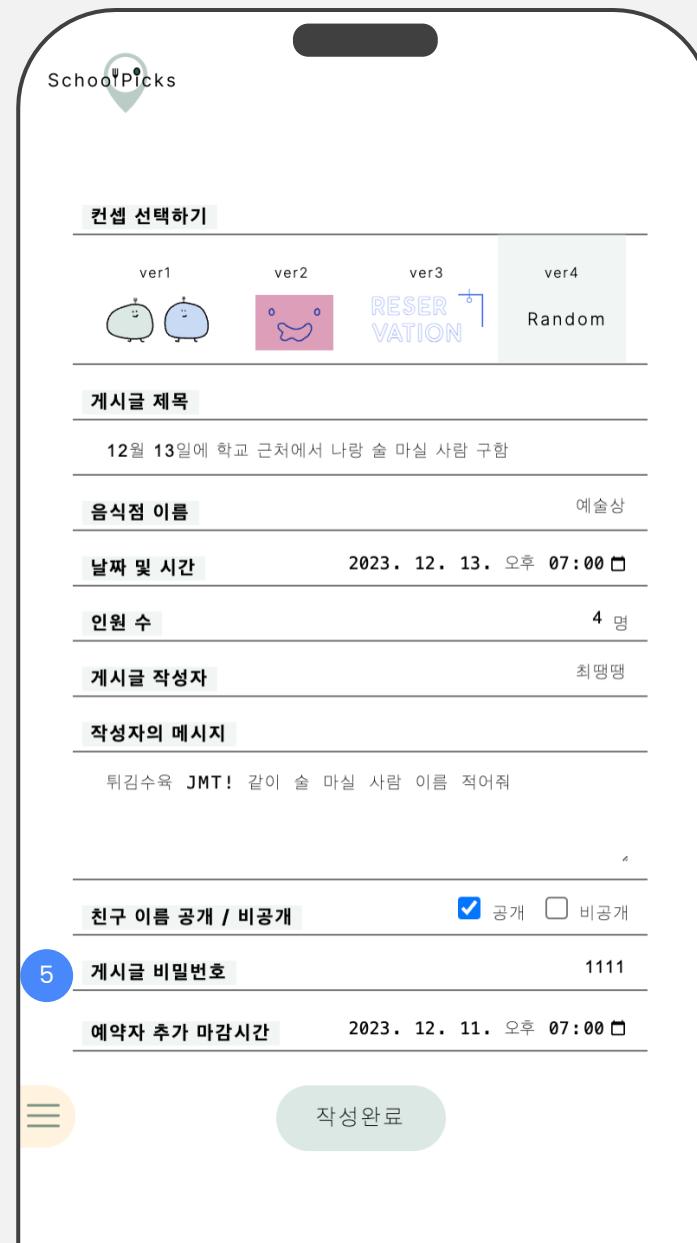
Make Friends Name Public or Private

You can choose whether to show others the names of friends who want to eat with you for privacy.

Menu 1.
Fun and Random
Recommendation

Menu 2.
Simply
Find Mate

Menu 3.
Helpful
History



Password

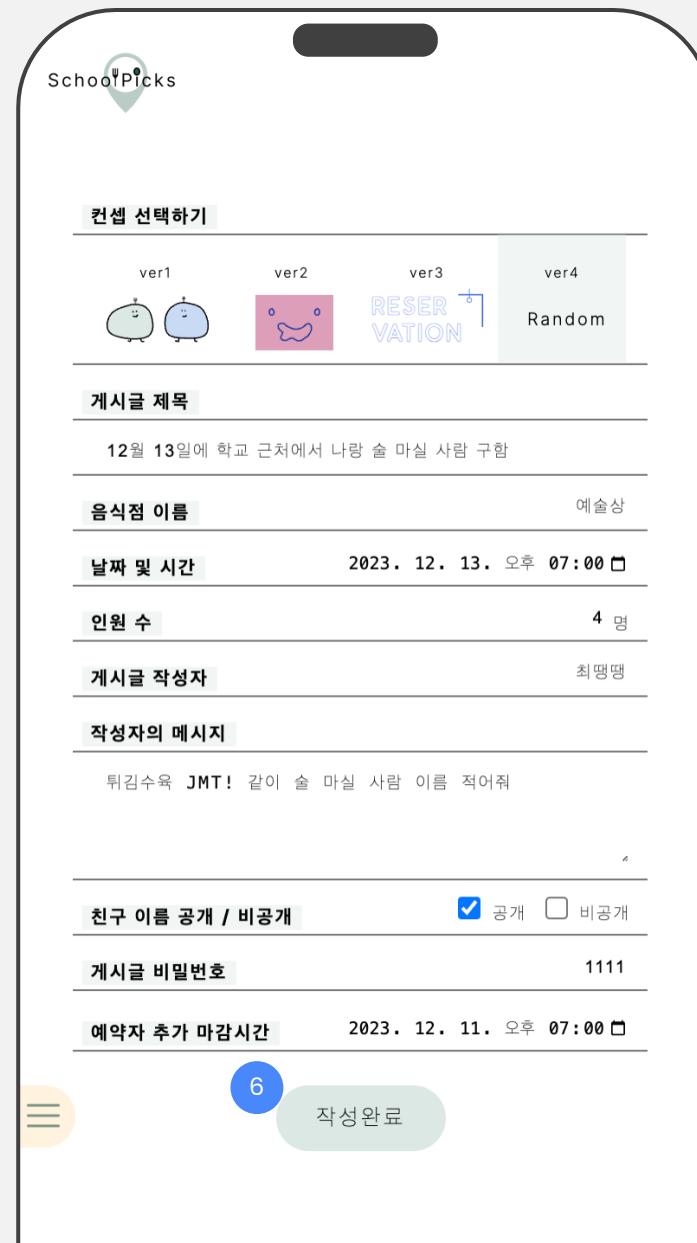
Set a password to use to view a friend's name when it was private, edit, or delete a post.

5

Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

Menu 3.
Helpful
History



6

**Click the Complete
Button**

Once you have completed the
form, click the complete button.

Menu 1.
Fun and Random
Recommendation

Menu 2.
Simply
Find Mate

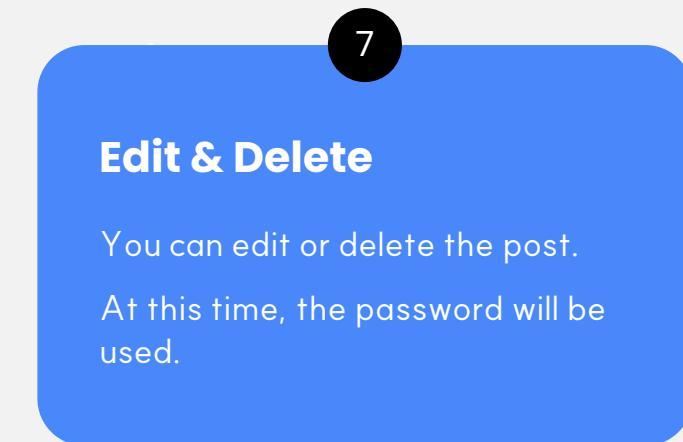
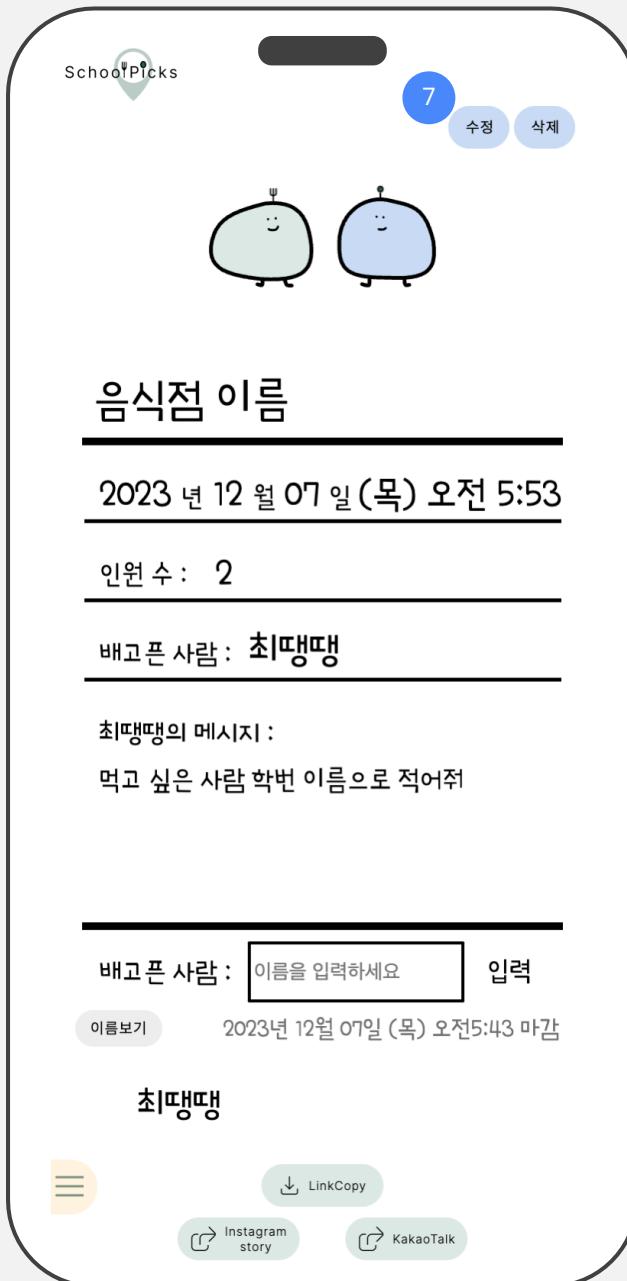
Menu 3.
Helpful
History



Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

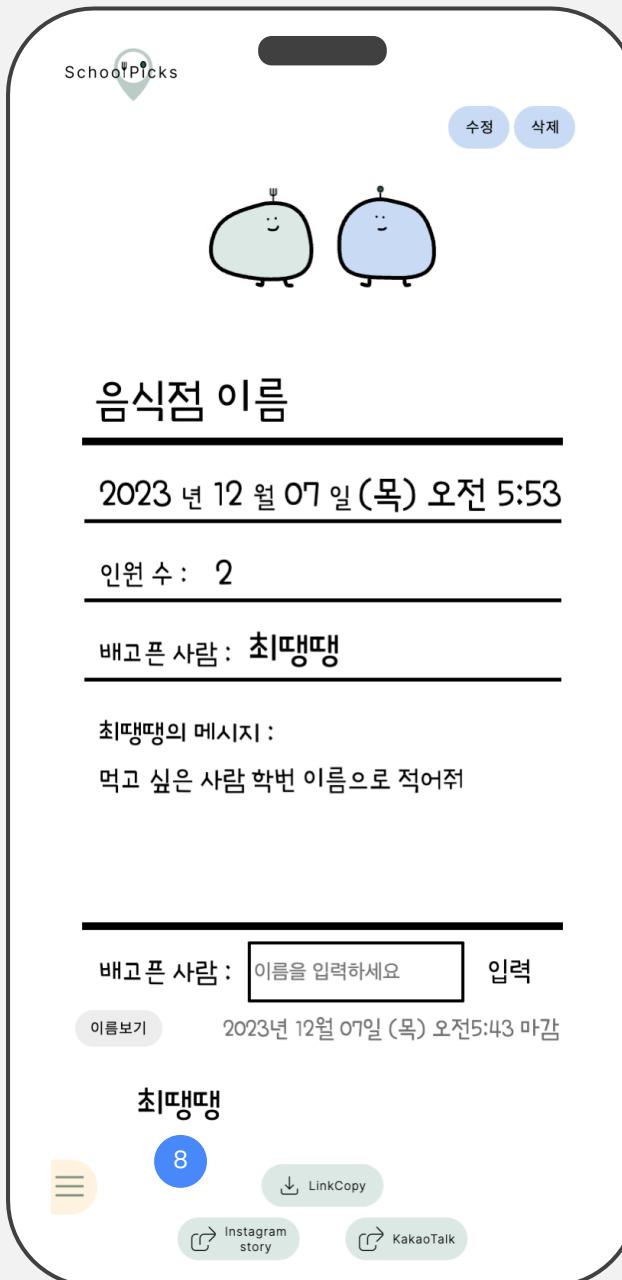
Menu 3.
Helpful
History



Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

Menu 3.
Helpful
History



Sharing Through link, Instagram, or KakaoTalk

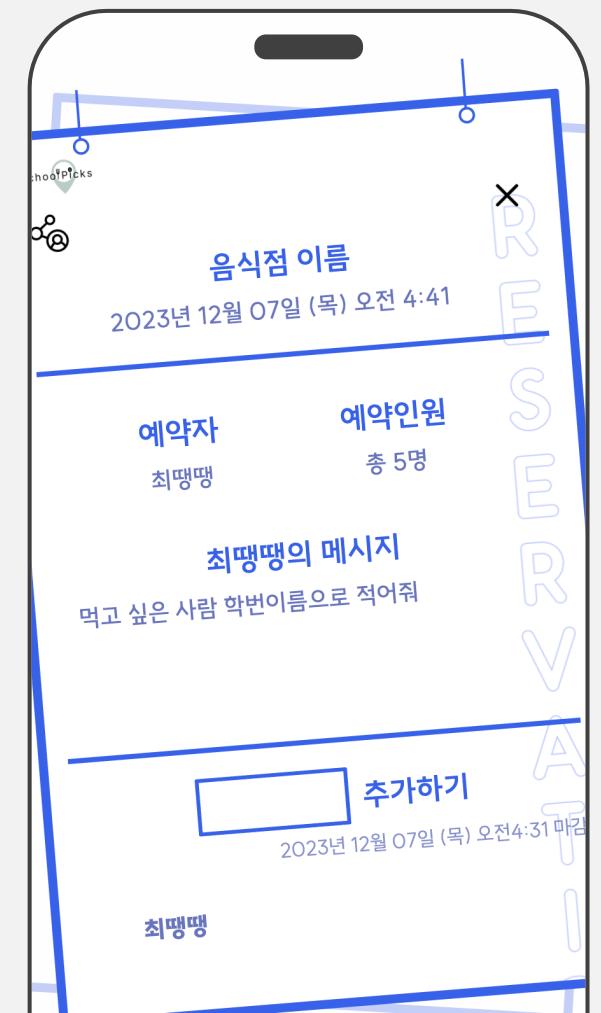
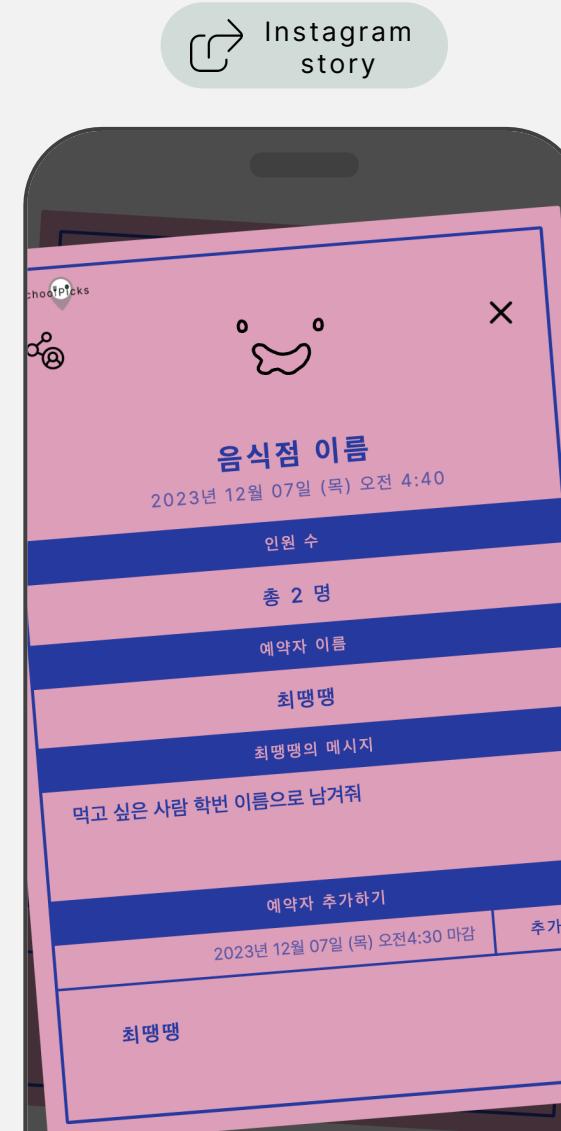
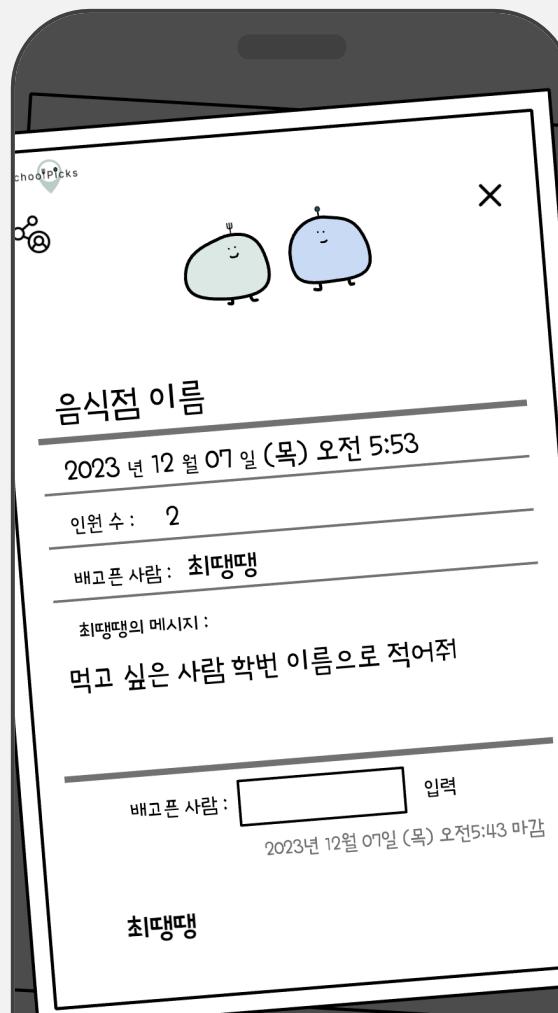
If you like this page without any modifications, you can share this through link, Instagram Story or KakaoTalk.

Then guest could see this link on another SNS

Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

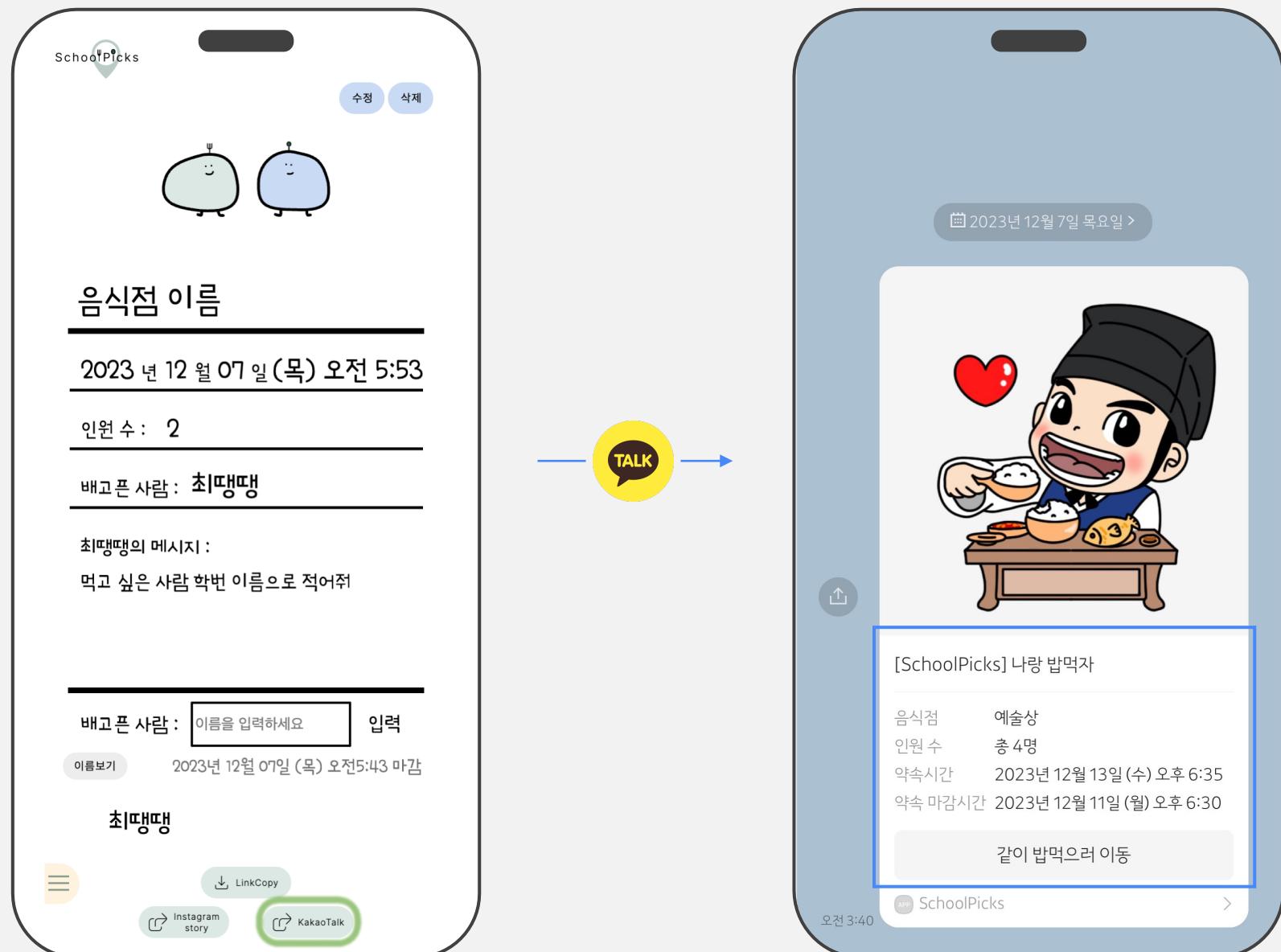
Menu 3.
Helpful
History



Menu 1.
Fun and Random
Recommendation

Menu 2.
Simply
Find Mate

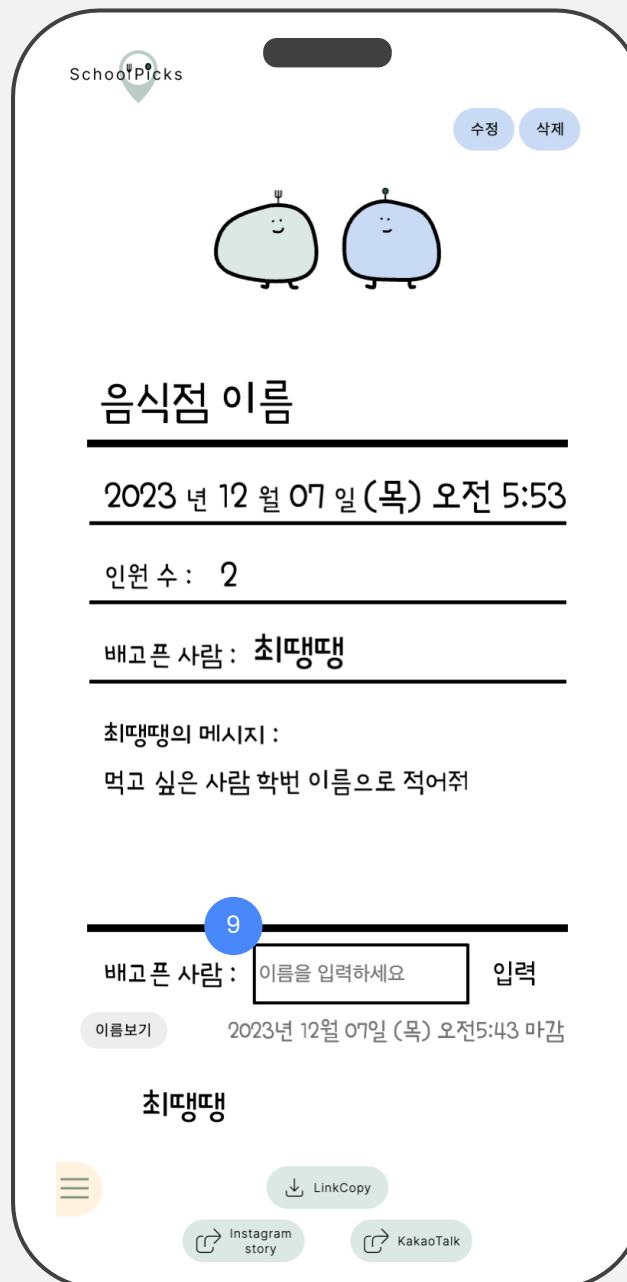
Menu 3.
Helpful
History



Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

Menu 3.
Helpful
History



9

**For Guest
Write Name in the Box**

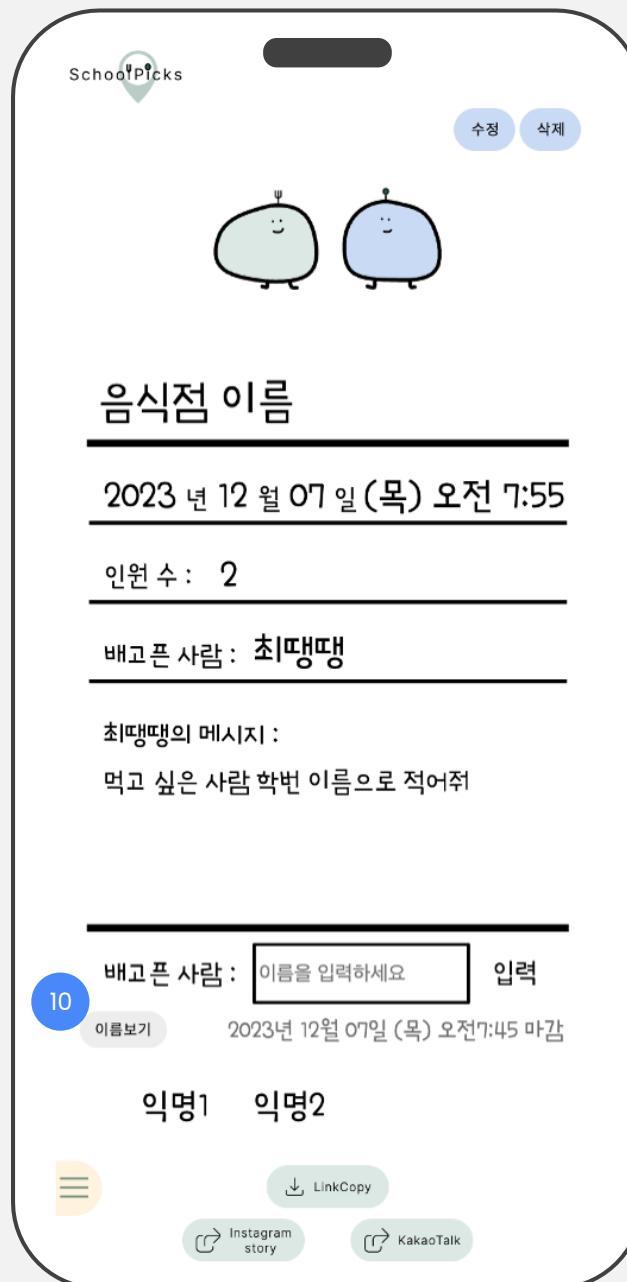
Guests could see link on SNS and enter this link.

And then add their name in this box if they want to eat together with room manager.

Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

Menu 3.
Helpful
History



10

View Name for Private

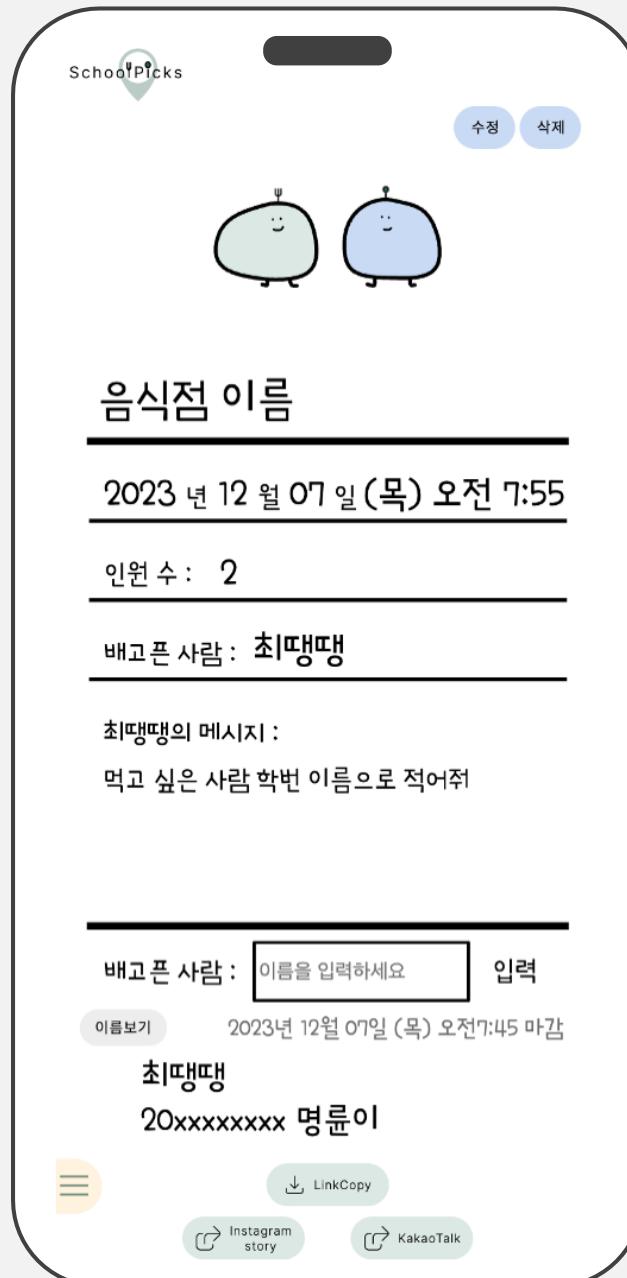
If the post was private, the name will be added as anonymous.

The room manager can view the name by clicking this button.

Menu 1.
Fun and Random
Recommendation

Menu 2.
**Simply
Find Mate**

Menu 3.
Helpful
History



10

The password will be used here
too.

Menu 1.

Fun and Random Recommendation

Menu 2.

Simply Find Mate

Menu 3.

Helpful History



Menu Bar

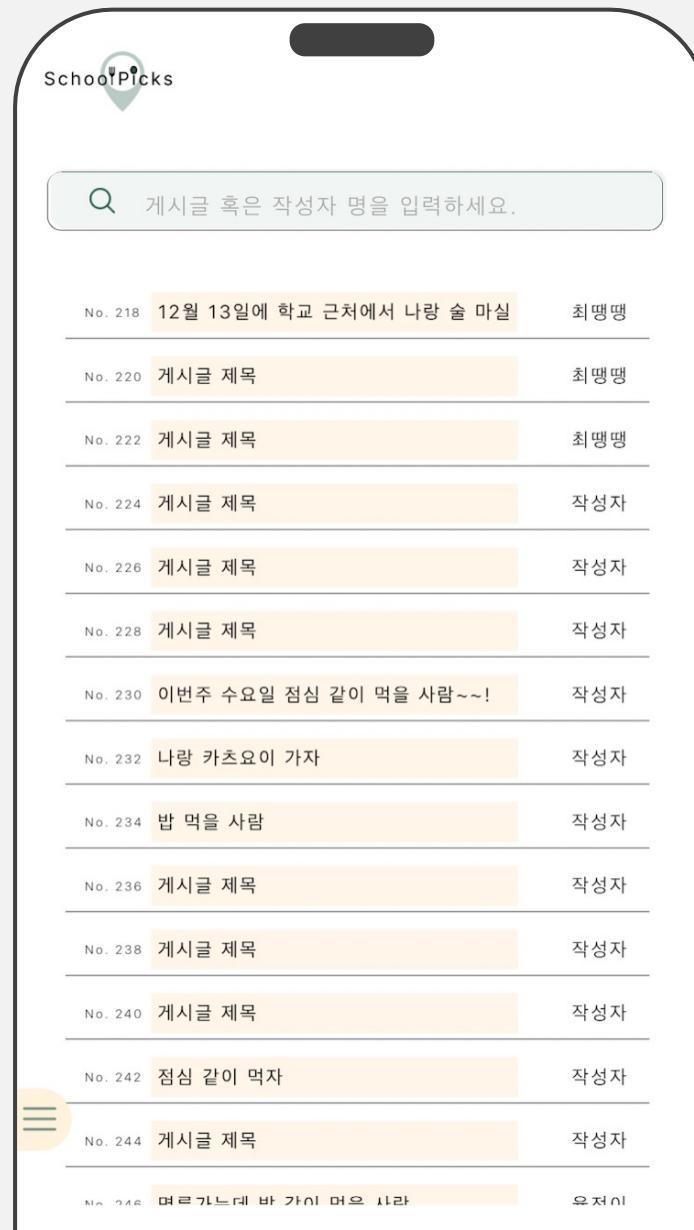
3 menus:
Recommendation, Find Mate,
History.

Menu 1. Fun and Random Recommendation

Menu 2. Simply Find Mate

Menu 3.

Helpful History



Helpful History

If you click the history menu, you can see all posts by everyone.

Menu 1.

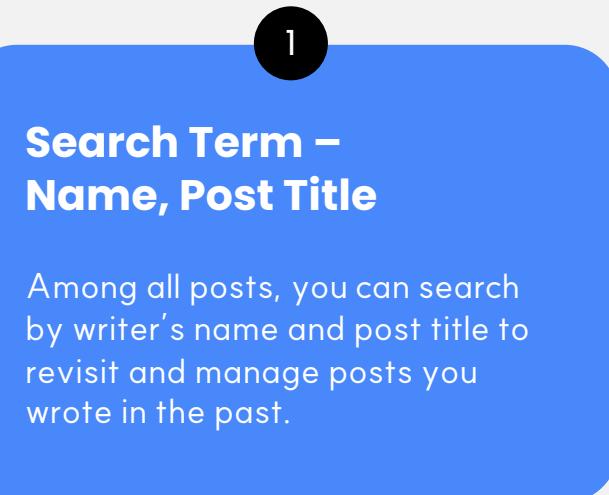
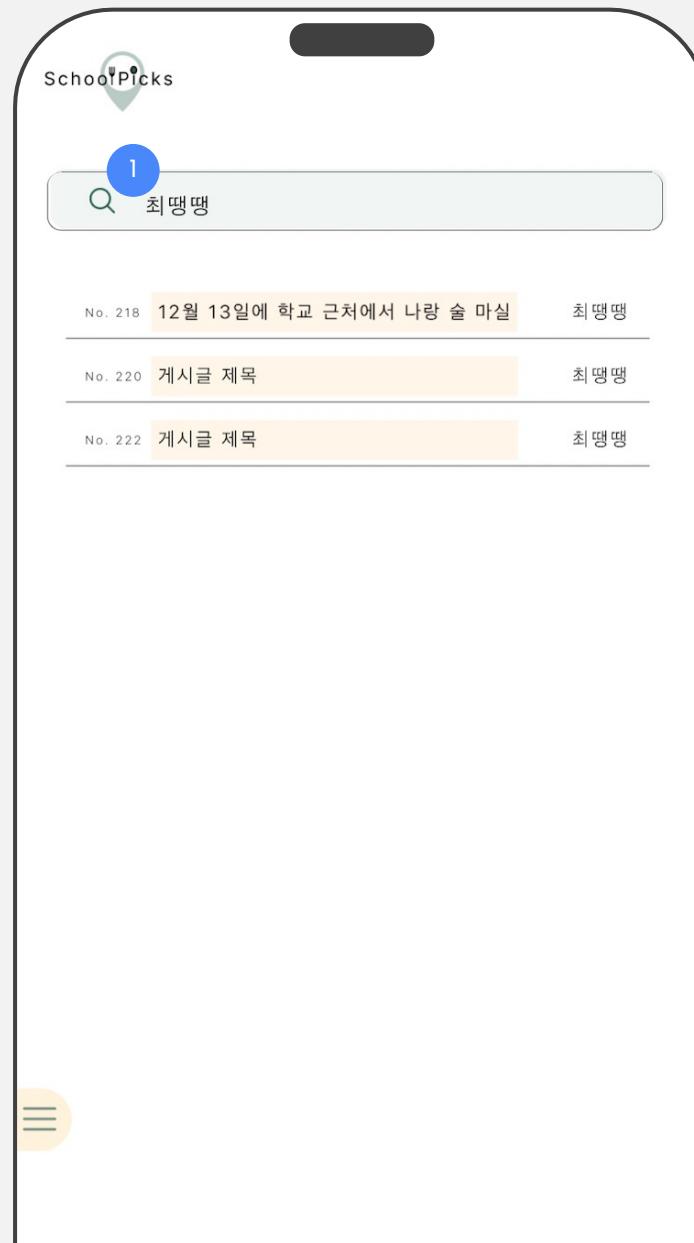
Fun and Random
Recommendation

Menu 2.

Simply
Find Mate

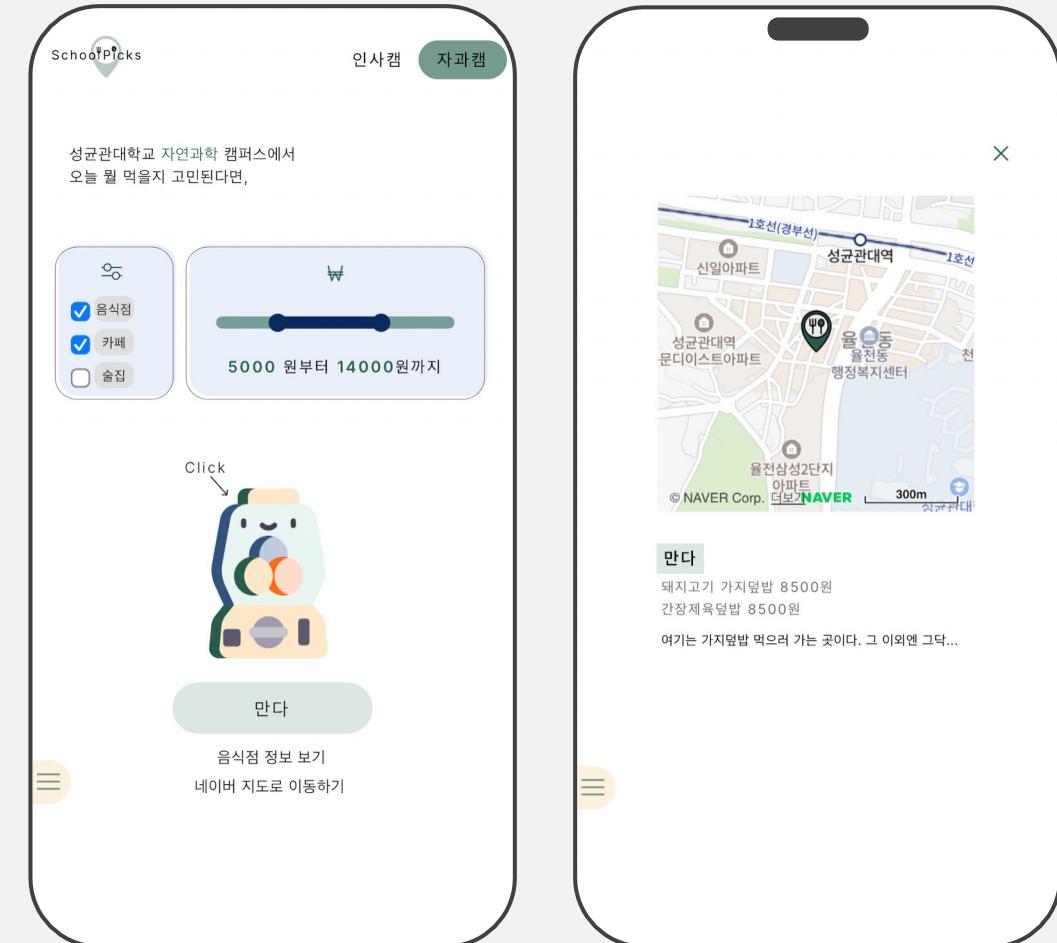
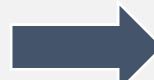
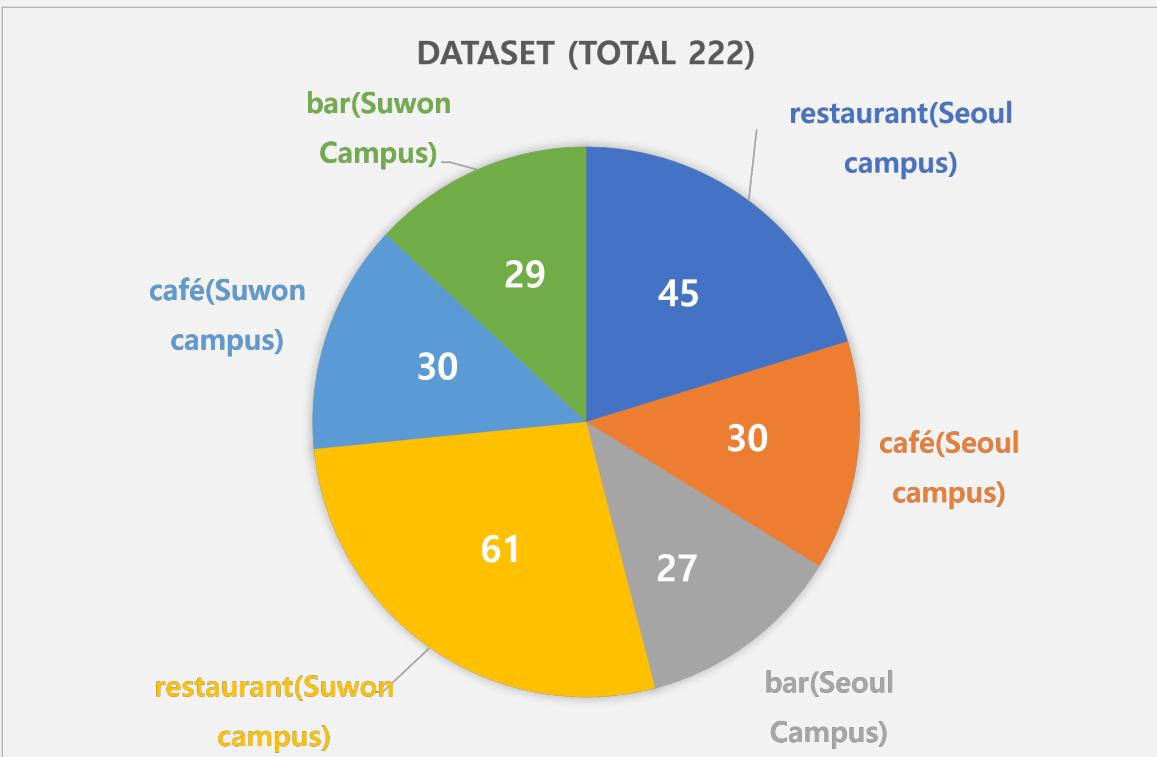
Menu 3.

Helpful
History



Implementation

Back-end: DataSet



Implementation

Back-end: MVC Pattern



shop_id	name	price
1	오가다	4000
2	브라운에비뉴	4500
3	위치스 커피	4000
4	삼원션	4500
5	카페 사흘	6000
6	엘빈	4000
7	낫컴플리트	4300
8	가비아노	4500
9	pit a pat	3500



Spring Data JPA

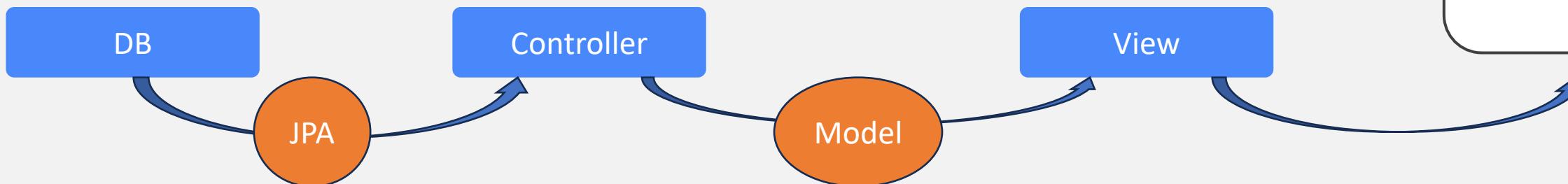


Thymeleaf



```
@GetMapping("/menu_recommendation_NSC")
public String findRestaurantNSC(@ModelAttribute("recom
    recommendForm.setPriceLow(7000);
    recommendForm.setPriceHigh(18000);
    Shop restaurant = shopRecommendService.recommend(
        log.info("RESTAURANT = " + restaurant.getName());
        model.addAttribute( attributeName: "restaurant", res
        model.addAttribute( attributeName: "restaurantId", res
        return "menu_recommendation_NSC";
    }
}
```

```
="음식점" th:field="*{purposeRestaurant}">
" th:field="*{purposeCafe}"><label for="ca
th:field="*{purposePub}"><label for="pub_
th:text="${restaurant} ?: '오늘은 학식이닷! '">
```



Challenge & Approach

01

No Sign Up Function

There is no way to
communicate with friends



Ask the user to leave a
message so that writer can
distinguish who it is

작성자의 메시지

본인이 상대를 식별할 수 있는 이름 혹은 내용으로 작성
하게 메세지를 남겨주세요,
예시) 김치찌개 먹자, 먹고 싶은 사람 학번이름으로 작
성해줘 !

Challenge & Approach

01

No Sign Up Function

How can you keep History?



History of User X
History of Post O



Challenge & Approach

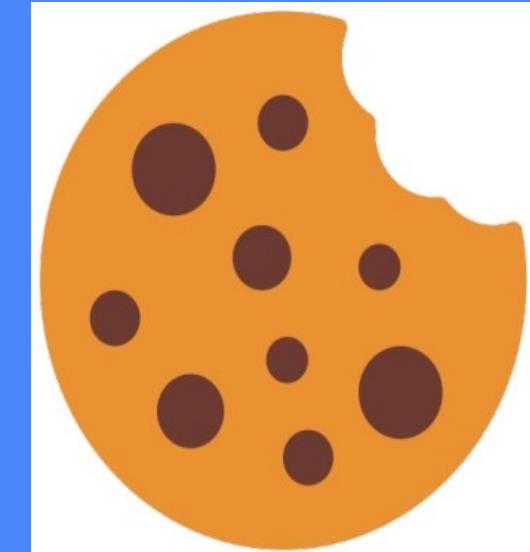
01

No Sign Up Function

Be able to **forget** the password



Remember the name and
password through **Cookie**



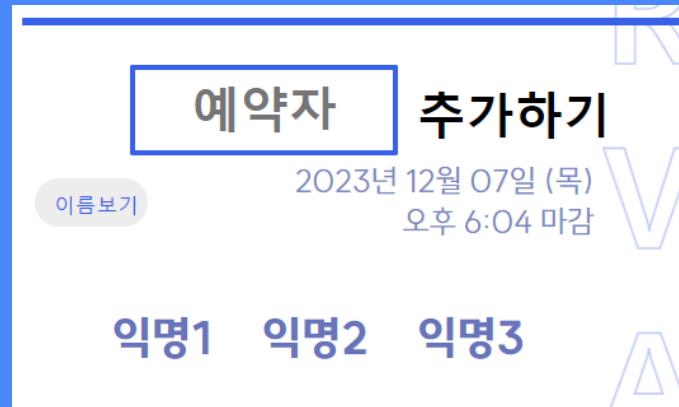
Challenge & Approach

02 Anonymous Treatment

Through the **History**, anyone can see people who have made appointments



If user **select** button, appointment people will be **anonymized**.



Users can only confirm the names of those through a **password**

Challenge & Approach

02 Anonymous Treatment

Prevent unauthorized access!



**UUID address
&
Password is necessary!**

① localhost:8080/mate/room/ver3/28f33235-ee6a-400b-a0aa-1ba2c57daeab

Evaluation(Backend side)

Service	Test Coverage	Result
Restaurant recommendation	Do you generate appropriate queries based on input conditions during the drawing process?	P
	Do you retrieve the correct data in the drawing process for the Detail?	P
	In the drawing process, does it retrieve the predetermined result value when there is no target?	P
	During the drawing process, does it bring different results based on the order even when the same value is input?	P
Find Mate Page	Is the creation, modification, retrieval, and deletion of rooms occurring successfully within the database?	P
	Is error handling occurring properly in situations such as exceeding the deadline, surpassing the set number of participants, etc.?	P
	Is the addition of users being applied correctly to the database?	P
	Does the room user query provide the desired data when it is public or private?	P
	Does the process of querying History deliver data that matches the search criteria?	P

Evaluation(Backend side)

The screenshot shows a code editor interface with a dark theme. On the left, there is a file tree under the 'test' directory, containing a 'java' folder and several test classes: 'DataInjectionTest', 'DemoApplicationTest', 'FindMateRoomTest', 'FindMateRoomUserTest', 'RoomTest', 'ShopRecommenderTest', and 'ShopRecommenderUserTest'. The right pane displays the content of one of these test files. The code consists of several test methods, each annotated with '@Test'. The methods are:

- void 방모드조회(){...}
- void 제목및작성자검색테스트() { findMateRoomService.findMateRoomSearch(keyword: "스트"); }
- void 전체방조회테스트() { System.out.println(findMateRoomService.findAllFindMateRoom()); }
- void 방내부유저조회테스트(){...}
- void 방유저이름_검색테스트(){...}
- void 방삭제테스트(){...}

Each method is attributed to 'PaikMyeonggyu'. A status bar at the bottom right indicates 15 errors and 17 warnings.

Evaluation(Backend side)

The screenshot shows the IntelliJ IDEA interface during a code coverage analysis for the `ShopRecommendServiceTest.java` file. The left panel displays the Java code with annotations for test cases and assertions. The right panel shows the coverage report for the `ShopRecommendService` package, which is highlighted with a red box.

Coverage Report for ShopRecommendService:

Element	Class, %	Method, %	Line, %
com.example.demo	75% (24/32)	40% (87/217)	28% (219/775)
controller	100% (4/4)	15% (7/44)	1% (7/424)
dto	56% (9/16)	24% (26/105)	24% (26/107)
entity	87% (7/8)	73% (33/45)	75% (36/48)
repository	100% (1/1)	85% (6/7)	49% (26/53)
service	100% (2/2)	100% (15/15)	87% (123/141)
FindMateRoomService	100% (1/1)	100% (12/12)	85% (105/123)
ShopRecommendService	100% (1/1)	100% (3/3)	100% (18/18)
DemoApplication	100% (1/1)	0% (0/1)	50% (1/2)

Test Results:

- ShopRecommendServiceTest 290 ms
 - 있는가게검색() 246 ms
 - 없는가게검색() 8 ms
 - 가게상세정보검색_도 24 ms
 - 가게상세정보검색() 12 ms
- Tests passed: 4 of 4 tests – 290 ms

IntelliJ IDEA Coverage Runner Log:

```
C:\Users\qorau\.jdks\corretto-11.0.21\bin\java.exe ...
---- IntelliJ IDEA coverage runner ----
Line coverage ...
include patterns:
com\example\demo\...
```

Evaluation(Frontend side)

Service	Test Coverage	Result
Restaurant recommendation	Do the buttons work as intended?	P
	Are page transitions and HTTP requests functioning as intended?	P
	Are there inputs that cause errors?	P
	Is there a case where the detail information goes beyond the screen?	P
	Is the Naver Maps API functioning properly?	P
Find Mate Page	Do the buttons work as intended?	P
	Are page transitions and HTTP requests functioning as intended?	P
	Are there inputs that cause errors?	P
	During the process of creating a page, does it display appropriate messages in case of error situations?	P
	Is information about the configured page appropriately retrieved during page retrieval?	P
	Is data output in public mode and private mode coming out as intended?	P
	Is the Instagram or KakaoTalk API operating as intended?	P

8:14

SchooPicks

컨셉 선택하기

ver1 ver2 ver3 ver4 Random

게시글 제목

게시글 제목을 입력하세요

음식점 이름

음식점 이름을 입력하세요

날짜 및 시간

2023. 12. 7. 오후 9:13

인원 수

2 명

게시글 작성자

울전이

작성자의 메시지

본인이 상대를 식별할 수 있는 이름 혹은 내용으로 작성하게 메세지를 남겨주세요,
예시) 김치찌개 먹자, 먹고 싶은 사람 학번이름으로 작성해줘!

친구 이름 공개 / 비공개

공개 비공개

게시글 비밀번호

1111

예약자 추가 마감시간

2023. 12. 7. 오후 9:03

작성완료

8:14

SchooPicks

컨셉 선택하기

ver1 ver2 ver3 ver4 Random

게시글 제목

모든 항목을 정확히 입력하셨습니까?

작성자

울전이

작성자의 메시지

본인이 상대를 식별할 수 있는 이름 혹은 내용으로 작성하게 메세지를 남겨주세요,
예시) 김치찌개 먹자, 먹고 싶은 사람 학번이름으로 작성해줘!

친구 이름 공개 / 비공개

공개 비공개

게시글 비밀번호

1111

예약자 추가 마감시간

2023. 12. 7. 오후 9:03

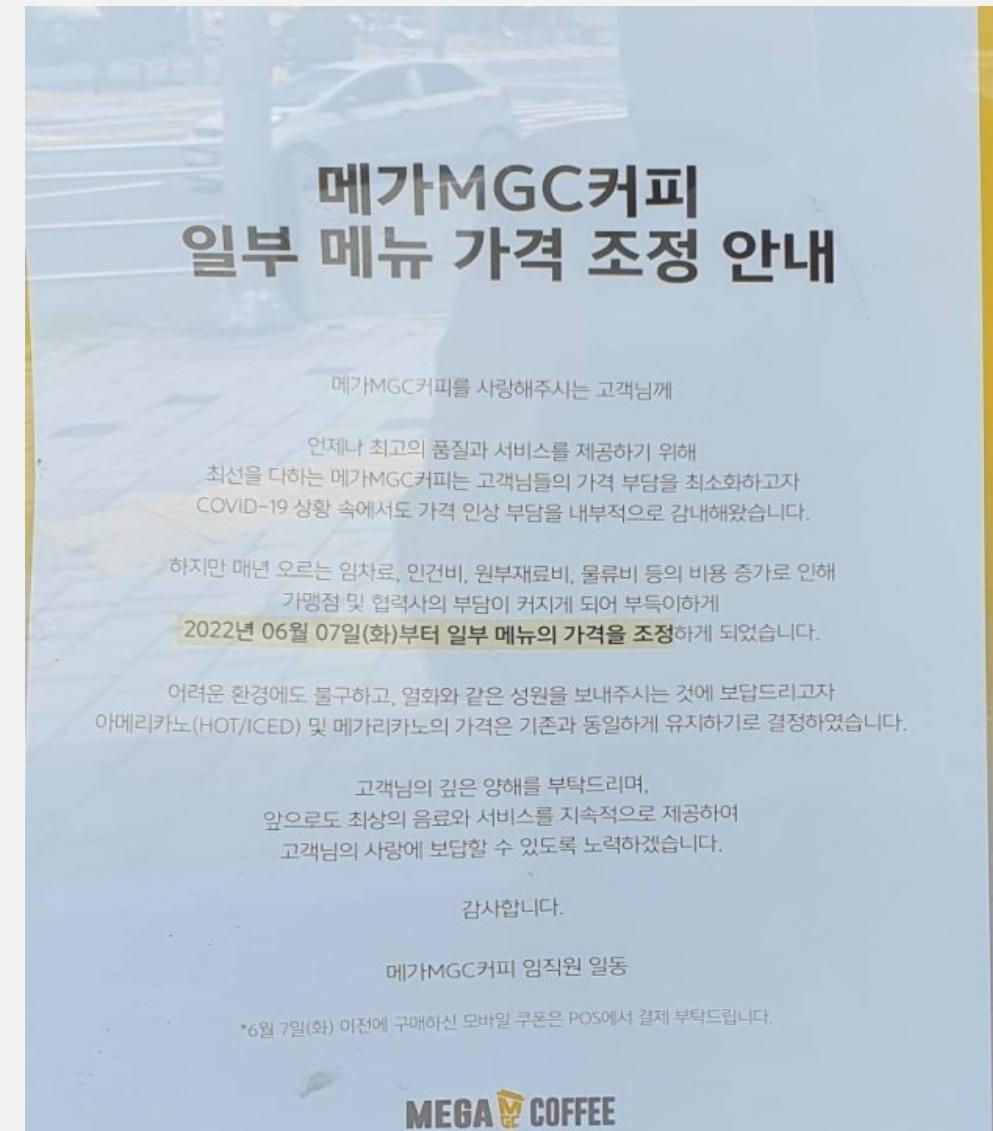
8:14

SchooPicks

약속 시간을 현재시간으로부터 최소 30분 이후로 설정해주세요.

작성완료

Limitation



Limitation

₩ 20



₩ 8



Free



Demo

Thank you

Q & A